

Colorado Department of Transportation
Structure Inspection and Inventory Report (English Units)

Highway Number (ON) 5D: 025A 1

Mile Post (ON)11: 157.669 mi

Bridge Key: H-17-AI Inspection Date: 12/14/2010 Sufficiency Rating: 85.0 Not Eligible

Rgn/Sectn 2E/2M:	24	Hist Signif 37:	5	UW Inspection Date 93B:	
Trans Region 2T:	01	Posting status 41:	A	SI Date 93C:	
County Code 3:	041	Service on/un 42A/B:	1 5	Bridge Cost 94:	\$ 0
EL PASO		Main Mat/Desgn 43A/B:	1 7	Roadway Cost 95:	\$ 0
Place Code 4:	00000	Appr Mat/Desgn 44A/B:	0 0	Total Cost 96:	\$ 0
non-city		Main Spans Unit 45:	1	Year of Cost Estimate 97:	
Rte.(On/Under)5A:	1	Approach Spans 46:	0	Brdr Brdg Code/% 98A/B:	
Signing Prefix 5B:	1	Horiz Clr 47:	38.0 ft	Border Bridge Number 99:	
Level of Service 5C:	1	Max Span 48:	30.0 ft	Defense Highway 100:	1
Directional Suffix 5E:	0	Str Length 49:	33.1 ft	Parallel Structure 101:	N
Feature Intersected 6:		Curb Wdth L/R 50A/B:	0.0 ft 0.0 ft	Direction of Traffic 102:	2
JACKSON CREEK		Width Curb to Curb 51:	76.0 ft	Temporary Structure 103:	
Facility Carried 7:		Width Out to Out 52:	102.0 ft	Highway System 104:	1
25 ML		Deck Area:	3,379.9 sq. ft	Fed Lands Hiway 105:	0
Alias Str No.8A:		Min Clr Ovr Brdg 53:	99.99	Year Reconstructed 106:	1976
#H-17-N		Min Undrclr Ref 54A:	N	Deck Type 107:	1
Prll Str No. 8P		Min Undrclr 54B:	0.0 ft	Wearing Surface 108A:	6
H-17-N/H-17-AI		Min Lat Clrnce Ref R 55A:	N	Membrane 108B:	0
Location 9:		Min Lat Undrclr R 55B:	0.0 ft	Deck Protection 108C:	0
7.4 MI N OF JCT SH 18 ML		Min Lat Undrclr L 56:	0	Truck ADT 109:	12 %
Max Clr 10:	99.99	Deck 58:	6	Trk Net 110:	1
BaseHiway Net12:	1	Super 59:	6	Pier Protection 111:	#
IrsinvRout 13A	000000025A	Sub 60:	6	NBIS Length 112:	Y
IrssubRout No13B:	00	Channel/Protection 61:	6	Scour Critical 113:	8
Latitude 16:	39d 02' 59"	Culvert 62:	N	Scour Watch 113M:	0
Longitude 17:	104d 50' 50"	Oprrtg Rtg Method 63:	1 LF Load Fact	Future ADT 114:	100,951
Range18A:	67 W	Operating Rating 64:	75.1	Year of Future ADT 115:	2028
Township18B:	67	Inv Rtgng Method 65:	1	CDOT Str Type 120A:	CRF
Section18C:	36	Inventory Rating 66:	45.0	CDOT Constr Type 120B:	0.
Detour Length 19:	7.0 mi	Asph/Fill Thick 66T:	004 "in"	Inspection Indic 122A:	
Toll Facility 20:	3	Str. Evaluation 67:	6	Inspection Trip 122AA:	
Custodian 21:	1	Deck Geometry 68:	9	Scheduling Status 122B:	
Owner 22:	1	Undrclr Vert/Hor 69:	N	Maintenance Patrol 123:	8
Functional Class 26:	11	Posting 70:	5	Expansion Dev/Type124:	0
Year Built 27:	1953	Waterway Adequacy 7:	8	Brdg Rail Type/Mod 125A/B:	Y 0
Lanes on 28A:	4	Approach Alignment 72:	8	Posting Trucks 129A/B/C:	0 0 0
Lanes Under 28B:	0	Type of Work 75A:		Str Rating Date 130:	12/19/1996
ADT 29:	64,300	Work Done By 75B:		Special Equip 133:	-1
Year of ADT 30:	2008	Length of Improvment 76:	0.0 ft	Vert Clr N/E 134A/B/C:	X 99.99 0.00
Design Load 31:	5	Insp Team Indicator 90B:	RED TEAM	Vert Clr S/W 135A/B/C:	X 99.99 0.00
Apr Rdwy Width 32:	76.0 ft	Inspector Name 90C:	TERRYJ	Vertical Clr Date:	1/1/1901
Median 33:	2	Frequency 91:	24 months	Weight Limit Color: 139:	0
Skew 34:	15.00 °	FC Frequency 92A:	-1	Str Billing Type:	U
Structure Flared 35:	0	UW Frequency 92B:	-1	Userkey 1 - System:	ONSYS
Sfty Rail 36a/b/c/d:	1 1 1 1	SI Frequency 92C:	-1	Userkey 7-Update Indic:	
Rail ht36h:	35 "in"	FC Inspection Date 93A:			

Inspector Name: TERRYJ

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Element Inspection Report

Elem/En	Description	Units	Total Qty	% in 1	CS 1	% in 2	CS 2	% in 3	CS 3	% in 4	CS 4	% in 5	CS 5
38/1	Bare Concrete Slab	(SF)	3,377	100 %	3,377	0 %	0	0 %	0	0 %	0	0 %	0
215/1	R/Conc Abutment	(LF)	211	95 %	201	5 %	10	0 %	0	0 %	0	0 %	0
308/1	Constr Non Exp Jt	(LF)	99	0 %	0	67 %	66	33 %	33	0 %	0	0 %	0
326/1	Bridge Wingwalls	(EA)	4	100 %	4	0 %	0	0 %	0	0 %	0	0 %	0
334/1	Metal Rail Coated	(LF)	132	100 %	132	0 %	0	0 %	0	0 %	0	0 %	0
338/1	Conc Curbs/SW	(LF)	66	73 %	48	18 %	12	9 %	6	0 %	0	0 %	0
359/1	Soffit Smart Flag	(EA)	1	0 %	0	100 %	1	0 %	0	0 %	0	0 %	0
501/1	Channel Cond	(EA)	1	100 %	1	0 %	0	0 %	0	0 %	0	0 %	0
502/1	ChannProtMatCond	(EA)	1	100 %	1	0 %	0	0 %	0	0 %	0	0 %	0
504/1	BankCond	(EA)	1	100 %	1	0 %	0	0 %	0	0 %	0	0 %	0

Elem/Env	Description	Element Notes
38/1	Bare Concrete Slab	3-4 inches asphalt on top of slab. More recent overlay in NB #2 lane and SB #2 lane. Very light raveling along longit. seams. Mod. raveling along seam of #2 SB lane. Median area is covered with fill material only, and is currently leaking through joint.
215/1	R/Conc Abutment	Few light vertical cracks in both walls. A1 left spalled 3 feet x 1 foot. Few small rock pockets at right end of A2.
308/1	Constr Non Exp Jt	Considered main construction joint at centerline, and also widening joints. Main joint leaked in past. Appears to be well sealed now or at least not active during 12/10 inspection. Some efflor seeping from widening joints and soffit, and also some stalactites. Cracking along deck ends.
326/1	Bridge Wingwalls	Couple light vertical cracks. #1 left spalled along joint. (See 2006 Photo) #2 has active seepage through crack at right side. #2 bottom right light stream abrasion, and there is also a rock pocket about 4 feet from base.
334/1	Metal Rail Coated	New Galv. Type Y rail installed about 2008. Looks good. Quantity includes two lengths of flex beam rail in median.
338/1	Conc Curbs/SW	Delam and spalls at all rail posts on right, and at one post on left.
359/1	Soffit Smart Flag	Water likely collects in median and seeps through joints in middle of deck below. Areas of light scale with efflor. and rust stains, and some delam, especially around construction joints. Couple minor scrapes from equipment.

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Elem/Env	Description	Element Notes
501/1	Channel Cond	Jackson Creek. Flows along #2 right wing then through middle of channel. Two small RCPs under frontage road just upstream. Fence across channel on downstream side is attached to wingwalls. Channel has degraded downstream in the past.
502/1	ChannProtMatCond	Timber and riprap stepped check dam at downstream side, and beginning to fail (see 2004 & 2009 photos). Several timbers have been pushed and splintered.
504/1	BankCond	Lined with weeds, brush, and few trees. Downstream rear bank filled with tamarisks

Maintenance Activity Summary

MMS Activity	Description	Recommended	Status	Target Year	Est Cost
356.01	Curb & RI	11/6/2002	-1	2012	1000

Remove and replace spalled curb at all rail posts on the right, and at one post on the left.

353.01	Br Dk Rpr	11/15/2006	-1	2012	1000
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Seal the open construction joint at centerline.

358.00	Rehab Elem	1/8/2009	-1	2012	1000
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Repair the check dam downstream that is beginning to fail (PHOTOS 1/09).

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Bridge Notes

Rehabbing highway just North of structure.
2 storm drains (approx. 1 ft. diam.) at top of abut. walls near centerline.

Inspection Notes

Temperature: 60 F
Time: 2:45-3:10
Weather: windy
Team leader: TAT

Scope:

NBI: Element: Underwater: Fracture Critical: Other: Type: Regular NBI

Inspector: TERRYJ

Inspection Team:

Inspection Date: 12/14/2010

Inspector

Inspector